

part
Institut Pasteur

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Dear York

Thank you for your letter. I am very glad you agree about the Rogerian project and am looking forward to seeing you again next summer.

We have not yet any precise opinion about the f factor since there does not seem yet to be any conclusive evidence about its cytoplasmic or nuclear nature (at least not yet we know of).

About the questions you ask, I can only answer some of them.

1) To plate without reiterating the material, one has to be very tired with the Laffy coupler. We dilute very slowly and, throw gently some aliquots into melted agar tubes and pour these onto agar flats, very carefully.

2) We have no more CSK reagents. I shall will look carefully whether some have been hidden somewhere and send them if I can find some.

3) We have some of 7 days for which the first ^{known} & weaker entries between 4 and 5 minutes. This is the earliest time we have -

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40). We have not yet studied zygotic recombination with λ phage either λ or λ' very early.

We have another evidence that in most cases the whole genome is rejected: this is based on synthesis of β -galactosidase by zygotes resulting from mating between λ phage lac⁺ and λ' lac⁻; in conditions where the λ phage cannot synthesize enzymes. If one uses an λ phage strain which rejects lac in the first minutes, one finds that β -galactosidase synthesis starts almost immediately after the penetration of the first lac determinants in the recipients and the rate ^{of synthesis} increases progressively when more lac genes are transferred. When one uses (all this is independent of recombination) an λ phage in which lac is rejected last, there is no detectable synthesis of enzyme for several hours.

We shall discuss all this next week -

I hope you will enjoy the Royan meeting which we shall try to be pleasant, not too tiring and if possible useful.

Best regards to both of you and to Lecca

Yours
Fracecos

I just realize that the secretary did not receive the paper I had prepared to send with the λ phage P100 for Richter. Would you tell him that λ phage P100 is β^- and lac^- .